

CLAIMS

1. An optical disk comprising:

a substrate including resin-impregnated paper in which a resin has been
impregnated into paper or resin-coated paper in which the paper surface has been coated

5 with a resin; and

a recording layer provided on at least one side of the substrate.

2. An optical disk according to claim 1, wherein the centerline average roughness R_a
of at least one side of the substrate is $0.5\text{ }\mu\text{m}$ or less, and the maximum roughness R_{max}

10 is $6.0\text{ }\mu\text{m}$ or less.

3. An optical disk according to claim 1, further comprising:

a printing layer provided on the side opposite from the side of the substrate
provided with the recording layer.

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4. An optical disk according to claim 1, wherein the recording layer is provided on
both sides of the substrate.

5. An optical disk according to any of claims 1 through 4, further comprising:

20 a protective layer for protecting the recording layer.

6. An optical disk according to any of claims 1 through 4, wherein the recording layer
has a recording layer base material that serves as a support for the recording layer, and
the recording layer base material includes a non-hydrophilic film.

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7. An optical disk according to claim 5, wherein the recording layer has a recording layer base material that serves as a support for the recording layer, and the recording layer base material includes a non-hydrophilic film.
- 5 8. An optical disk according to claim 3, wherein the printing layer has a printing base material that serves as a support for the printing layer, and the printing base material includes a non-hydrophilic film.
9. An optical disk according to any of claims 1 through 4, further comprising: a
10 release layer provided between the substrate and the recording layer.
10. An optical disk according to claim 5, further comprising:
a release layer provided between the substrate and the recording layer.
- 15 11. An optical disk according to claim 3 or claim 8, further comprising:
a release layer provided between the substrate and the printing layer.
12. A manufacturing method of an optical disk, comprising the steps of:
a recording layer sheet fabrication step in which a recording layer sheet is
20 fabricated by forming tracks on a recording layer base material; and
a recording layer sheet lamination step in which a recording layer included the
recording layer sheet is provided on a substrate included resin-impregnated paper or
resin-coated paper by laminating the recording layer sheet with resin-impregnated paper
in which a resin is impregnated into paper or resin-coated paper in which the surface of
25 the paper is coated with a resin.

13. A manufacturing method of an optical disk according to claim 12, further comprising the steps of:

a printing sheet fabrication step in which a printing sheet is fabricated by carrying out printing on a printing base material; and

5 a printing sheet lamination step in which a printing layer included of the printing sheet is provided on a substrate included resin-impregnated paper or resin-coated paper by laminating the printing sheet with resin-impregnated paper in which a resin is impregnated into paper or resin-coated paper in which the surface of the paper is coated with a resin.

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14. A manufacturing method of an optical disk according to claim 12, further comprising the steps of:

a protective film lamination step in which a protective layer included a protective film is provided on the recording layer by laminating the protective film onto the

15 recording layer.

15. A manufacturing method of an optical disk according to claim 13, further comprising the steps of:

a protective film lamination step in which a protective layer included a protective
20 film is provided on the recording layer by laminating the protective film onto the recording layer.

16. A manufacturing method of an optical disk according to any of claims 12 through 15, further comprising the steps of:

25 a release layer formation step in which a release layer is formed on at least one side

of the resin-impregnated paper or resin-coated paper in advance.

17. A manufacturing method of an optical disk according to any of claims 12 through 15, wherein each sheet is produced in the form of a wound roll, and each sheet in the
- 5 form of a wound roll is laminated.
18. A manufacturing method of an optical disk according to claim 13, wherein the printing sheet fabrication step has a step in which mutually different variable information imparted to each optical disk produced is printed on the printing base material.